

**AMENDMENTS TO THE CLAIMS:**

Kindly amend claims 1, 4, 5 and 6 as shown below.

Kindly add the following new claims 9 to 14.

This listing of claims will replace all prior versions and listings of claims in the

Application:

**Claim 1 (currently amended):** A method of resetting an array of active pixel sensors

(APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed into groups each having one or more sensors, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially resetting applying a voltage to the groups of one or more sensors; and
- (b) subsequently resetting all of the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously at one time.

**Claim 2 (original):** A method as claimed in claim 1 wherein each group comprises one or more rows of sensors.

**Claim 3 (original):** A method as claimed in claim 1 wherein each group comprises one or more columns of sensors.

**Claim 4 (currently amended):** A method as claimed in claim 1 wherein step (a) includes

- (a.i) detecting the bias voltage level of the sensor array;
- (a.ii) selecting the number of sensors in the ~~pre-resetting~~ groups as a function of the bias voltage detected.

HAYES SOLOWAY P.C.

130 W. CUSHING ST.  
TUCSON, AZ 85701  
TEL. 520.882.7623  
FAX. 520.882.7643

175 CANAL STREET  
MANCHESTER, NH 03101  
TEL. 603.668.1400  
FAX. 603.668.8567

**Claim 5 (currently amended):** Apparatus for resetting an array of active pixel sensors

(APS) during a reset cycle wherein the sensors are arranged in rows and columns and formed into groups each having one or more sensors, comprising:

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[[a)] a controller ~~having means~~ coupled to the sensor array for sequentially applying a voltage to the pre-resetting groups of one or more sensors in the array[[:]], and for subsequently resetting all of the sensors in the array by applying a predetermined reset voltage to all of the sensors substantially simultaneously.

b) ~~the controller having means coupled to the sensor array for simultaneously resetting all of the sensors in the array.~~

**Claim 6 (currently amended):** Apparatus as claimed in claim 5 which further includes:

- (c) a detector for detecting the bias voltage of the sensor array; and
- (d) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

**Claim 7 (original):** Apparatus as claimed in claim 6 wherein each group comprises one or more rows of sensors.

**Claim 8 (original):** Apparatus as claimed in claim 6 wherein each group comprises one or more columns of sensors.

**Claim 9 (new):** A method of resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising the steps of:

- (a) pre-resetting the sensors in the array by sequentially resetting groups of one or more sensors, wherein the pre-resetting step includes:

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- (a.i) detecting the bias voltage level of the sensor array;
  - (a.ii) selecting the number of sensors in the pre-resetting groups as a function of the bias voltage detected; and
  - (b) resetting all of the sensors at one time.

**Claim 10 (new):** A method as claimed in claim 9 wherein each group comprises one or more rows of sensors.

**Claim 11 (new):** A method as claimed in claim 9 wherein each group comprises one or more columns of sensors.

**Claim 12 (new):** Apparatus for resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising:

- (a) a controller coupled to the sensor array for sequentially pre-resetting groups of one or more sensors in the array, and for simultaneously resetting all of the sensors in the array;
- (b) a detector for detecting the bias voltage of the sensor array; and
- (c) the controller being coupled to the voltage detector for determining the number of sensors in each group being pre-reset.

**Claim 13 (new):** Apparatus as claimed in claim 12 wherein each group comprises one or more rows of sensors.

**Claim 14 (new):** Apparatus as claimed in claim 12 wherein each group comprises one or more columns of sensors.

~~HAYES SOLOWAY P.C.~~

130 W. CUSHING ST.  
TUCSON, AZ 85701  
TEL. 520.882.7623  
FAX. 520.882.7643

175 CANAL STREET  
MANCHESTER, NH 03101  
TEL. 603.668.1400  
FAX. 603.668.8567